

KRUGLAYA, N.I.

Comparative evaluation of the effect of gangleron, pentamine, and
dicoline on conditioned reflex regulation of the leukocyte composi-
tion of the blood. Farm.i toks. 24 no.2:180-186 Mr-Apr '61.

(MIRA 14:6)

1. Kafedra patologicheskoy fiziologii (zav. - prof. N.N.Trankvilitati)
Stalinskogo gosudarstvennogo meditsinskogo instituta.

(AUTONOMIC DRUGS)

(CONDITIONED RESPONSE)

(LEUKOCYTES)

KRUGLAYA, N.I.

Influence of autonomic ganglionic block on the course of postmicrobial
leukocytosis. Zhur. mikrobiol., epid. i immun. 32 no.9:84-87 S '61.
(MIRA 15:2)

1. Iz Stalinskogo meditsinskogo instituta.
(AUTONOMIC DRUGS) (LEUKOCYTOSIS)
(ESCHERICHIA COLI)

KRUGLAYA, N.I.

Effect of a vegetative ganglionic block on the course of
conditioned reflex leucocytosis. Zhur. mikrobiol., epid.
i immun. 33 no.2:52-55 F '62. (MIRA 15:3)

1. Iz Donetskogo meditsinskogo instituta.
(NERVOUS SYSTEM, AUTONOMIC)
(CONDITIONED RESPONSE) (LEUCOCYTOSIS)

KRUGLAYA, N.I.

Effect of some ganglion-blocking substances on the processes of
leucocytolysis and phagocytosis. Zhur.mikrobiol.epid.i immun. 33
no.5:119-120 My '62. (MIRA 15:8)

1. Iz Donetskogo meditsinskogo instituta.
(AUTONOMIC DRUGS) (LEUCOCYTES) (PHAGOCYTOSIS)

KRUGLAYA, N.I.

Effect of a block of vegetative ganglia on the processes
of immunogenesis. Zhur. mikrobiol., epid. i immun. 40 no.3:
117 Mr '63. (MIRA 17:2)

1. Iz Donetskogo meditsinskogo instituta.

1 10001-00 (n)/000(j) WH/AM
ACC RM A7003492

SOURCE CODE: UR/0074/06/035/008/1388/1403

AUTHOR: Vyazankin, N. S.; Kruglaya, O. A.

ORG: Laboratory of Polymer stabilization, AN SSSR, Gor'kiy (Laboratoriya stabilizatsii polimerov)

TITLE: Covalent bi-elementorganic compounds

SOURCE: Uspekhi khimii, v. 35, no. 8, 1966, 1388-1403

TOPIC TAGS: organometallic compound, thermal decomposition, photochemistry, organic synthetic process

ABSTRACT: The authors survey recent advances in the field of bi-elementorganic compounds, which they define as compounds containing not only the ordinary organogens (C, H, O, N, Cl, etc.), but also two element-nonorganogens. In cases in which these are metals, the compounds are referred to as biorganometallic. The survey covers methods of synthesis and study of the reactivity of bi-elementorganic compounds with a covalent bond between the elementnonorganogen atoms, covering the literature up to May 1965 (95 references, predominantly Western). Methods of preparation, including reactions of R_3SiLi and analogous compounds with inorganic or elementorganic halides and the reaction of elementorganic hydrides of group IV with organometallic compounds, are covered. The dis-

Card 1/2

UDC: 547.1'13

0926 0017

L 10002-67
ACC NR: A7003492

Discussion of the properties of compounds of the type $(R_3M)_nM'$, where $M = Si$ and its analogs; $M' = Hg, Cd, Sb$, etc., includes thermal and photochemical decomposition, reactions with atmospheric oxygen and peroxides, reactions with haloderivatives, and reactions with metals and their salts. Properties of compounds of the $R_3M-M'R_3$ -type, where M and M' are elements of group IVB, are also discussed. Orig. art. has: 14 formulas. [JPRS: 38,970]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 022 / OTH REF: 073

Card 2/2

S/062/62/000/011/008/021
B101/B144

AUTHORS:

Vyazankin, N. S., Razuvayev, G. A., and Kruglaya, O. A.
(Shchepetkova)

TITLE:

Reactions of peroxides with hexaethyl distannane and hexaethyl
disilane

PERIODICAL:

Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh
nauk, no. 11, 1962, 2008 - 2014

TEXT: The chromatographic analysis of the products of the reaction of
hexaethyl distannane with tert-butyl peroxide at 130-135°C yielded (in
moles per mole of decomposed peroxide): 0.54 ethane, 0.87 ethylene, 0.02
methane, 0.03 butane, 0.87 tert-butanol, 0.94 triethyl-(tert-butoxy) tin,
and 0.43 of a fraction corresponding to decaethyl tetraastannane by molecular
weight. Thus hexaethyl distannane reacts with tert-butyl peroxide without
cleavage of the Sn-Sn bond, which had been observed in the reaction with
acyl peroxides. A free radical mechanism according to the following reac-
tions is suggested: $(CH_3)_3COOC(CH_3)_3 \rightarrow 2(CH_3)_3CO^\bullet$; $(CH_3)_3CO^\bullet \rightarrow CH_3$
+ CH_3COCH_3 ; $(CH_3)_3CO^\bullet + (C_2H_5)_3Sn-Sn(C_2H_5)_3 \rightarrow (C_2H_5)_3Sn-Sn(C_2H_5)_2OC(CH_3)_3$
Card 1/4

Reactions of peroxides with...

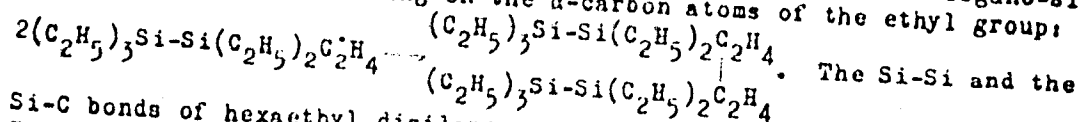
S/062/62/000/011/008/021
B101/B144

+ $C_2H_5^\bullet$; $R^\bullet + (C_2H_5)_3Sn-Sn(C_2H_5)_3 \rightarrow RH + (C_2H_5)_3Sn-Sn(C_2H_5)_2C_2H_4^\bullet$; where
 $R = (CH_3)_3CO$, CH_3 , or C_2H_5 . Since equimolecular amounts of tert-butanol
and triethyl-(tert-butoxy) tin were formed, disproportionation of the com-
pound A and decomposition of the compound B are assumed, the ethylene
found being also formed from compound B: $(C_2H_5)_3Sn-Sn(C_2H_5)_2C_2H_4^\bullet$
 $\rightarrow (C_2H_5)_3Sn-Sn^\bullet(C_2H_5)_2 + C_2H_4$; another reaction gives decaethyl tetra-
stannane: $(C_2H_5)_3Sn-Sn^\bullet(C_2H_5)_2 + (C_2H_5)_6Sn_2 \rightarrow (C_2H_5)_{10}Sn_4 + C_2H_5^\bullet$. It was
found that tetraethyl tin, after irradiation with UV light, was converted
to higher organo-tin compounds. These react with $AlCl_3$, with separation
of metallic tin. Non-irradiated tetraethyl tin did not react with $AlCl_3$,
even at 150°C. For the homologs of hexaethyl distannane of the general
formula $(C_2H_5)_3Sn-[Sn(C_2H_5)_2]_n-Sn(C_2H_5)_3$ it is assumed that, under the
action of $AlCl_3$, they react similarly to hexaethyl distannane: $2(C_2H_5)_6Sn_2$
 $\rightarrow 3(C_2H_5)_4Sn + Sn$, and decaethyl tetraastannane: $2(C_2H_5)_{10}Sn_4 \rightarrow 5(C_2H_5)_4Sn$
Card 2/4

Reactions of peroxides with...

3/062/62/000/011/008/021
B101/B144

+ 3Sn . This reaction allowed the molecular weight of the higher organotin compounds to be estimated from the amount of released tin; and it was proven that, in the reaction of hexaethyl distannane with tert-butyl peroxide, other organo-tin compounds with higher molecular weights were formed besides decaethyl tetraastannane. The reaction of hexaethyl disilane with peroxides proceeds by a free radical mechanism, irrespective of the structure of the peroxide (benzoyl- or tert-butyl peroxide). It starts only at the decomposition temperature of the peroxide. The resulting free radicals tear hydrogen atoms away from the disilane, and the organo-silicon radicals keep on dimerizing on the α -carbon atoms of the ethyl group:



Si-C bonds of hexaethyl disilane proved stable to homolytic cleaving. There are 2 figures. The most important English-language reference is: A. B. Burg, J. R. Spielman, J. Amer. Chem. Soc., 83, 2667 (1961).

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet im. N. I. Lobachevskogo
(Gor'kiy State University imeni N. I. Lobachevskiy)

Card 3/4

Reactions of peroxides with...

S/062/62/000/011/008/021
B101/B144

SUBMITTED: April 3, 1962

Card 4/4

VYAZANKIN, N.S.; RAZUVAYEV, G.A.; KORNEVA, S.P.; KRUGLAYA, G.A.; GALIULINA, R.F.

Reaction of triethyl tin hydride and its analogs with diethylzinc.

Dokl. AN SSSR 158 no.4:884-887 O '64.

(MIRA 17:11)

1. Laboratoriya stabilizatsii polimerov AN SSSR, Gor'kiy. 2. Chlen-korrespondent AN SSSR (for Razuvayev).

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0"

L 16085-66 EPF(n)-2/EWP(j)/ENT(m)/EWP(t) IJP(o) RM/WM/JD/JG
ACC NR: AP6005934 SOURCE CODE: UR/0079/66/036/001/0160/0160

AUTHOR: Vyazankin, N. S.; Mitrofanova, Ye. V.; Kruglaya, O. A.; Razuvaev, G. A.

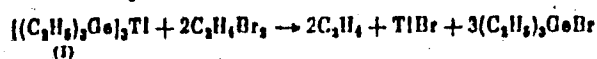
ORG: Laboratory of Polymer Stabilization, Academy of Sciences SSSR, Gor'kiy
(Laboratoriya stabilizatsii polimerov Akademii nauk SSSR)

TITLE: Tris(triethylgermyl)thallium ²⁷₄₁₅ B

SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 160

TOPIC TAGS: organogermanium compound, thallium compound, organomercury compound

ABSTRACT: Heating of triethylgermane with triethylthallium for 2 hr at 100° produced ethane and tris(triethylgermyl)thallium (I) in high yields. Compound (I) decomposes at 170° into thallium and hexaethyldigermane with quantitative yields. Its reaction with excess dibromoethane is exothermic and ends after 5-7 min at room temperature:



(I) reacts with benzoyl peroxide in 2-3 min at 20° to form triethylbenzoyloxygermane

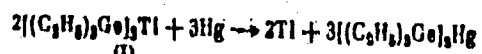
UDC: 547.13 + 546.683

Card 1/2

L 16085-66

ACC NR: AP6005934

(63%); C_6H_5COOTl is also formed (92%). (I) reacts with mercury as follows:



All the reactions were carried out in evacuated and sealed ampoules from which atmospheric oxygen had been thoroughly removed.

SUB CODE: 07/ SUBM DATE: 17Jul65/ ORIG REF: 000/ OTH REF: 000

Card 2/2

VYAZANKIN, N.S.; KRUGLAYA, O.A.; RAZUVAYEV, G.A.; SEMCHIKOVA, G.S.

Tris-(triethylsilyl)-antimony and its analogs. Dokl. AN SSSR
166 no.1:99-102 Ja '66. (MIRA 19:1)

1. laboratoriya stabilizatsii polimerov AN SSSR, Gor'kiy.
2. Chlen-korrespondent AN SSSR (for Razuvayev). Submitted
April 19, 1965.

KRUGLAYA, Z.I.

Prophylactic work in a medical sector. Vop.okh.mat. i det.
4 no.3:79-80 My-Je '59. (MIRA 12:8)

1. Iz gorodskoy detskoy bol'nitsy v Orle (glavnyy vrach
Z.I.Kruglaya).

(ORLE--PEDIATRICS)

KRUGLAYA, Z.Y., inzh.; SOKOV, A.M., kand. tekhn. nauk;
PRIGINA, A.Ya., kand. tekhn. nauk

Plastic parts for cold water supply and sanitary equipment
of all-metal passenger cars. Trudy TSNII NPS no.242:68-78
'62. (MIRA 16:6)

(Railroads—Passenger cars)

(Sanitary engineering—Equipment and supplies)
(Plastics)

GEL'FER, TS.M., inzh.; KRUGLAYA, Z.V., inzh.; SOKOV, A.M., kand.
tekhn. nauk

Foam rubber materials for seat upholstery, mattresses and
pillows of passenger cars. Trudy ISNII NPS no. 24279-90 '62.
(MIRA 16:6)

(Foam rubber)
(Railroads—Passenger cars)

KRUGLAYA, Z.V., inzh.; DYADIN, A.A., inzh.; SOKOV, A.M., kund. tekhn.
nauk

Freight car roof made from glassplastics. Trudy TSNII MPS
no.267:82-93 '63. (MIRA 16:11)

GEL'FER, TS.M., inzh.; KRUGLAYA, Z.V., inzh.; SOKOV, A.M., kand.
tekhn. nauk

Polymer roofing materials for freight cars. Trudy TSNII NPS
no.242:97-101 '62. (MIRA 16:6)

(Roofing) (Plastics)
(Railroads—Freight cars)

KRUGLYAKOVA, G.I.

Magnetic anomalies of Transcarpathia and their geological interpretation. Geomag. i aer. 2 no.5:976-994 S-O '62. (MIRA 15:10)

1. Institut geofiziki AN SSSR, L'vovskiy filial.
(Transcarpathia--Magnetic anomalies)

KHUGLENKO, M., slesar'-model'shchik

Achievements of the innovators. Sov.profsoiuzy 7 no.4:44 Mr '59.
(MIRA 12:4)

1. Liteynyy tsekhkovkogo chuguna zavoda "Krasnaya zvezda," Kirovo-
grad.

(Kirovograd--Iron and steel workers)

KRUULENKO, N., inshener

Methodology problem in the planning of freight delivery time.
Mor. flot 15 no.7:29-30 J1 '55. (MIRA 8:9)
(Freight and freightage)

KORYAKIN, Sergey Fedorovich, dotsent, kand.ekon.nauk; BERNSHTEYN, Iosif L'vovich, dotsent, kand.ekon.nauk; KLLINSKIY, Yuriy Fedorovich, starshiy prepodavatel'; DOLITSKIY, Ya.I., prof., doktor ekon.nauk, retsenzent; CHERKESOV-TSIBIZOV, A.A., starshiy prepodavatel', retsenzent; PROLOV, A.S., dotsent, kand.tekhn.nauk, retsenzent; KRUGLANKO, N.K., inzh., retsenzent; ZOLOTUKHIN, Yu.A., obshchiy red.. V redaktirovaniy primimali uchastiye: OGANOV, N.K., dotsent, red.; DUBCHAK, V.Kh., inzh., red.; MARTIROSOV, A.Ye., inzh., red.; KHAR'KOV, G.I., starshiy nauchnyy sotrudnik, red.; KRASHENINNIKOV, V.G., dotsent, kand.ekon.nauk, red.; OREKHOBARG, Ye.A., inzh., red.; SHCHEGOLEV, G.G., inzh., red.; PRILUTSKIY, M.A., inzh., red.; KANTOR, L.M., dotsent, kand.ekon.nauk, red.; KUZ'MIN, T.P., inzh., red.; FILIPPOV, K.D., red.. KSENOFONTOVA, Ye.F., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Economics of water transportation] Ekonomika morskogo transporta.
Pod obshchei red. IU.A.Zolotukhina. Moskva, Izd-vo "Morskoi transport",
1959. 391 p. (MIRA 13:3)

(Shipping--Finance)

BRYUM, Abram Isayevich, inzh.; VORONOV, Petr Andreyevich, dotsent, kand. tekhn.nauk [deceased]; GINSBARG, Ruvim Izrailevich, kand.tekhn.nauk; KUTEYNIKOV, Aleksandr Nikolayevich, inzh.; FEDOROV, Aleksandr Timofeyevich, prof. [deceased]; SHAPOVALOV, Petr Borisovich, inzh.; SHIKHIYEV, Fuad Maksimovich, dotsent, kand.tekhn.nauk; YAVLENSKIY, S.D., retsenzent; ~~KRUGLINSKO, H.K.~~, retsenzent; MATLIN, G.M., kand. tekhn.nauk, red.; KSENOFONTOVA, Ye.P., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Sea ports and harbor facilities] Morskije porty i portovye sooruzheniya. Moskva, Izd-vo "Morskoi transport," 1959. 519 p.
(MIRA 12:12)

(Harbors)

KRUOLINKO, N.

Methods of the industrial planning of harbors. Mor. flot
20 no. 12:12-15 D '60. (MIRA 13:12)

1. Zamestitel' predsedatelya Tekhnicheskogo soveta Ministerstva
morskogo flota.
(Harbors) (Loading and unloading)

FROLOV, Anatoliy Stepanovich; SOYUZOV, A.A., doktor tekhn. nauk, prof.,
retsenzent; KRUGLENKO, N.K., dots., nauchnyy red.; KSENOFONTOVA,
Ye.F., red. ~~izd-va~~ USANOVA, N.B., tekhn. red.

[Over-all organization of the merchant marine and harbor operations; theoretical principles] Kompleksnaya organizatsiya raboty
flota i portov; teoreticheskie osnovy. Moskva, Izd-vo "Morskoi
transport," 1962. 229 p. (MIRA 16:2)

(Merchant marine--Cost of operation)
(Cargo handling)

SUKHOTSKIY, V., dotsent; KRUGLENKO, N., dotsent; PASTERNAK, D., dotsent;
DUBINSKIY, P., starshiy prepodavatel'; GNATKOV, M.

"Work organization of the merchant marine" by G.E.Gurevich.
Reviewed by V.Sukhotskii and others. Mor. flot no.5:46 My
'62. (MIRA 15:5)

1. Odesskiy institut inzhenerov morskogo flota (for Sukhotskiy,
Kruglenko, Pasternak). 2. Uchenyy sekretar' Tekhnicheskogo
soveta Ministerstva morskogo flota (for Gnatkov).
(Merchant marine)

ZARYANKIN, A.Ye., kand.tekhn.nauk; KHAMLENKOV, A.A., inzh.

Study of the exhaust nozzles of condensing steam turbines. Teploenergetika
10 no.2:41-45 F '63. (MIRA 16:2)

1. Moskovskiy energeticheskiy institut.
(Steam turbines)

MECHAYEV, Vyacheslav Vasil'yevich; SEMENOVA, M.M., redaktor; FRIK, A.O., redaktor; ~~KHUGLIK, G.I.~~, retsensent; KHOVYAKOV, N.N., retsensent; VOLKOVA, Ye.D., tekhnicheskii redaktor.

[Ship's electrical equipment; with the principles of electrical engineering] Sudovoe elektrooborudovanie; s osnovami elektrotekhniki. Moskva, Izd-vo "Rachnoi transport," 1954. 263 p. [Microfilm] (MLRA 8:2)

(Electricity on ships) (Electric engineering)

SOLOMATIN, V.M.; YAURE, A.G., inzh., retsenzent; KONSTANTINOV, V.P.,
retsenzent; PETUKHOV, M.N., retsenzent; KRUCHIK, G.L.,
retsenzent; TUPITSA, I.S., retsenzent; PRIK, A.O., inzh.,
nauchn. red.

[Manual for ship engineers and electricians] Spravochnik
elektromekhanika i elektrika sudna. Moskva, Izd-vo
"Rechnoy transport," 1963. 713 p. (MIRA 17:2)

KRUGLIK, G.R., uchitel'nitsa

Chemistry evening. Khim.v shkole 14 no.5:96 S-0 '59.
(MIRA 12:12)

1. Pyatikhatskaya srednyaya shkola im. S.M.Kirova.
(Pyatikhatka--Chemistry--Study and teaching)

KRUGLIK, G.S. [Kruhlik, H.S.]

Derivation of equations of the probability method taking the
identity principle into account. Vestsi AN BSSR. Ser. fiz.-tekh.
nav. no.3:45-50 '63. (MIRA 16:10)

KRUGLIK, G.S.; APANASEVICH, P.A.

Balance equations allowing for the collective properties
of a system of identical particles. Dokl. AN BSSR 7 no.10:
677-680 0 '63. (MIRA 16:11)

1. Institut fiziki AN BSSR. Predstavleno akademikom AN BSSR
B.I. Stepanovym.

KRUGLIK, G.S.

Effect of the collective properties of a system of identical
atoms on the scattering of radiation. Opt. i spektr. 19
no.2:171-176 Ag '65. (MIRA 18:8)

APANASEVICH, P.A.; KRUGLIK, G.S.

Angular distribution of resonance luminescence of vapors. Izv.
AN SSSR.Ser.fiz. 24 no.5:525-528 My '60.

(MIRA 13:5)

1. Institut fiziki AN BSSR.
(Luminescence) (Vapors--Optical properties)

KRUGLIK, G. S. and AFANASEVICH, F. A.

"The problem of coherent spontaneous emission."

The report gives the conditions under which coherent spontaneous emission with an intensity proportional to the square of the number of emitted particles were discussed, and it was shown that under general conditions such emission is impossible.

The report presented at the 11th Conference on Luminescence (Molecular luminescence and luminescence analysis) Minsk, 10-15 Sept. 1962.

4-4-1A, 10-10,
AID Nr. 997-3 25 June

COHERENT SPONTANEOUS EMISSION (USSR)

Kruglik, G. S., and P. A. Apanasevich. IN: Akademiya nauk SSSR.
Izvestiya. Seriya fizicheskaya, v. 27, no. 4, Apr 1963, 483-487.
S/048/63/027/004/005/026

An analysis is given of coherent spontaneous emission taking place in dense systems where many particles exist in the space of a single emission wavelength. The particles cannot be considered independent of each other in the spontaneous emission process. A system of n identical molecules is postulated, with each molecule possessing only two nondegenerated internal states the energy and wave functions of which are known. The Hamiltonian operator of the system is expressed as the sum of Hamiltonians of separate molecules, and wave functions are expressed in the form of derivatives of wave functions describing the states of individual molecules. Linear combinations of wave functions are formed such that the square of the modulus remains unchanged with permutation of coordinates of molecules. Optical transition probabilities are derived which take into account quenching effects that

Card 1/2

AID Nr. 997-3 25 June

COHERENT SPONTANEOUS EMISSION [Cont'd]

S/048/63/027/004/005/026

lead to finite line widths described in the second approximation by perturbation theory. These probabilities differ from the ones calculated without line width taken into account, in that they include matrix elements of transitions of individual molecules averaged over the total system with a phase multiplier. It is shown that intensity of spontaneous emission in the system is in general not proportional to the population of the initial level. In high-power radiation currents the intensity of spontaneous emission is proportional to the square of the number of particles in the system. [BB]

Card 2/2

KRUGLIK, G.S. [Kruhlik, H.S.]

Balance equations with allowance for scattering processes.

Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.3:35-45 '64.

(MIRA18:2)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826710016-0"

KUROCHKIN, Yuriy Mikhaylovich, zhurnalist; KRUCLIK, I., red.

[Memorable paths; true stories of various years] famiatnye tropy; byli raznykh let. Sverdlovsk, Sredne-Ural'skoe knizhnoe izd-vo, 1964. 142 p.
(MIRA 18:5)

1. *[Faint, illegible text]*

2. *[Faint, illegible text]*

3. *[Faint, illegible text]*

4. *[Faint, illegible text]*

5. *[Faint, illegible text]*

6. *[Faint, illegible text]*

7. *[Faint, illegible text]*

8. *[Faint, illegible text]*

9. *[Faint, illegible text]*

10. *[Faint, illegible text]*

11. *[Faint, illegible text]*

L 22774-65

ACCESSION NR: AR5002523

0

discusses the synoptic conditions for development of fogs of different
topography of 15 items. 4. Summary

L 9857-63

EWT(1)/EWT(m)/BDS--AFPTC/ASD/ESD-3/AFWL--RM/MAY/IJP(C)

ACCESSION NR: AP3001346

S/0048/63/027/006/0720/0723

AUTHOR: Gurinovich, G. P.; Kruglik, Ye. K.; Sevchenko, A. N.

TITLE: Concerning the shape of luminescence spectra under anti-Stokes excitation
[Report of the Eleventh Conference on Luminescence held in Minsk from 10 to 15
September 1962]

SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v. 27, no. 6, 1963, 720-723

TOPIC TAGS: Stokes and anti-Stokes excitation, luminescence of organic molecules,
fluorescein, rhodamine B, tryptaflavine, eosin, esculin, phthalimides

ABSTRACT: Numerous investigations of the relation between absorption and luminescence spectra have shown that for Stokes excitation thermodynamic equilibrium is attained during the lifetime of the excited state. Yet the existence of the "Stokes cutoff" of the luminescence spectra with excitation in the anti-Stokes region implies an energy deficit that is not compensated during the excitation lifetime. There is no good theoretical explanation for the difference; moreover, most experimental data on the "Stokes cutoff" are rather

Card 1/3

L 9857-63

ACCESSION NR: AP3001346

2

old and in need of verification with the aid of modern techniques. The present work was devoted to investigation of the dependence of the shape of luminescence spectra on the excitation wavelength in the Stokes and anti-Stokes region. The radiation was obtained from mercury and xenon discharge tubes and the desired wavelengths isolated by means of a DMR-1 double monochromator. Care was taken to minimize scattering and to take the remaining scattered radiation into account. For the measurements there were chosen substances and solvents with maximum overlapping of the luminescence and absorption spectra. The luminescent substances studied were fluorescein, rhodamine B, tryptaflavine, eosin, esculin and a series of phthalimide derivatives. The solvents were ethyl alcohol, water, glycerol, benzene, anisole and dioxane. In the case of fluorescein it was found that although the exciting lines extend far into the region of fluorescence, there is no noticeable shortening of the short wavelength part of the fluorescence spectrum. The spectral intensity distribution in the fluorescence spectra of eosin and esculin in alcohol (and esculin in water) shows no excitation wavelength dependence. The picture for the phthalimides is more complicated and somewhat difficult to interpret. Definitive conclusions must await further studies. Orig. art. has: 3 figures.

ASSOCIATION: none

Card 2/3

L 9857-63
ACCESSION NR: AP3001346

SUBMITTED: 00

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: PH

NR REF SOV: 008

OTHER: 004 FR AID: 29Aug63

ja/nh

Card 3/3

L 26051-66 EWT(1)/EWT(m)/EWP(1) RM
ACC NR: AP6013896 SOURCE CODE: UR/0020/66/167/006/1269/1272

AUTHOR: Gurinovich, G. P.; Kruzlik, Ye. K.; Sevchenko, A. N. (Academician AN BSSR) ⁴⁷₄₆

ORG: Belorussian State University im. V. I. Lenin (Belorusskiy gosudarstvennyy uni-
versitet) ^B

TITLE: Quantum fluorescence yield of solutions of polyatomic molecules during low-
wave excitation

SOURCE: AN SSSR. Doklady, v. 167, no. 6, 1966, 1269-1272

TOPIC TAGS: quantum yield, fluorescence, spectral absorptivity, *molecule, photocell*
STsV-4 *photocell*

ABSTRACT: This paper is a report on experimental studies to determine the reasons for
the reduction in quantum radiation yield of polyatomic solutions in the anti-Stokes
region. Special measures were taken to assure that the specimens were pure, as well
as to eliminate association, ionization, etc., i. e. attention was given to all causes
known to result in several types of absorption centers in the solution. These mea-
sures resulted in several cases of quantum fluorescence yield which were independent
of the excitation wavelength. The specimens were illuminated by light from a mercury
(SVDSH-500) or xenon (DKSSH-1000) tube passed through a quartz monochromator. The
luminescence was recorded by an STsV-4 photocell. Curves are given showing the ab-
sorption, excitation and luminescence spectra and quantum yield for solutions of

UDC: 535.371

Card 1/2

L 26051-66

ACC NR: AP6013896

3,6-tetramethyldiamino-N-methylphthalimide in benzene, rhodamine 6g in ethanol, and eosin in ethanal. It is shown that the quantum fluorescence yield is constant for all solutions and that deviations indicate absorption centers of various types. Orig. art. has: 3 figures.

SUB CODE: 20/

SUBM DATE: 14Dec65/

ORIG REF: 011/

OTH REF: 002

Card 2/2

INOPIN, Ye.V.; KAGANOV, M.I. [Kahanov, M.I.]; KRUGLIXH, A.A. [Kruhlykh, A.A.];
KHIZHNYAK, M.A. [Khyzhniak, M.A.]

Scientific conference of young scientists at the Physical and
Technological Institute of the Ukrainian Academy of Sciences. Ukr.
fiz. zhur. 4 no.3:406-408 My-Je '59. (MIRA 13:2)
(Physics--Congresses) (Technology--Congresses)

BAZILEVSKAYA, L.S.; BL'KIN, S.B.; KHUOLIKHINA, Z.M.

Preparation of a polyvalence from hydrolyzed complete dysentery antigens.
Report No. 3. Zhur. mikrobiol. epid. i immun. 29 no.11:62-65 N '58.
(MIRA 12:1)

1. Iz Leningradskogo instituta vaktsin i syvorotok.

(DYSENTERY, BACILLARY, immunol.

polyvalence prep. from various complete hydrolyzed
dysenterial antibodies (Rus))

KRUGLIKOV, A., polkovnik

Dugout with wooden framing. Tyl i snab.Sov.Voor.Sil 21 no.3:
86-88 Mr '61. (MIRA 14:6)
(Russia--Army--Barracks and quarters)

KRUG-LIKOV, A. A.

О ПИЩЕЛЕНИИ И ИСПОЛЬЗОВАНИИ
ДВУХАТОМНЫХ ФОРМОВ ПОЛУКОЖУГАНИЯ
И ГИДРИЗАЦИИ ЧЕРНОКОЖНЫХ УГЛЕЙ

А. А. Кругликов

VIII Mendeleev Congress for General and Applied Chemistry in
Section of Chemistry and Chemical Technology of Fuels,
publ. by Acad. Sci. USSR, Moscow 1979

abstracts of reports scheduled to be presented at above mentioned congress,
Moscow, 15 March 1979.

KRUGLIKOV, A. A. Cand Tech Sci -- "Epoxide resins on a base of ^{diatomic}
~~summary~~ phenols of ^{the heat treatment} ~~thermal reprocessing~~ of solid fuels." Sverdlovsk, 1961.
(Min of Higher and Secondary Specialized Education RSFSR. Ural Polytechnic
Inst im S. M. Kirov). (KL, 4-61, 197)

199
-1-

KRUGLIKOV, A. A., kand. tekhn. nauk; BERSENEV, A. P., kand. tekhn. nauk; PERMIKIN, I. P., inzh.; YANOVSKAYA, N. S., inzh.

Using a urea-phenol-formaldehyde glue for making boards from wood particles. Der. prom. 12 no.2:10-11 F '63.
(MIRA 16:4)

1. Nizhne-Tagil'skiy zavod plastmass i Nauchno-issledovatel'skiy institut po stroitel'stvu v g. Sverdlovske.

(Hardboard)

KRUGLIKOV, A.G.

Extra-large cities and urban agglomerations of the world in
1959-1961. Vop. geog. no.66:197-204 '65. (MIRA 18:6)

KRAMLIKOV, A. M., SHAL'NEVA, A. K., GULACHEVA, V. H., TITKOVA, A. I.,
ZHITSEV, A. A., POMROVSKAYA, E. V., POPOVA, E. V., LYAGOVNIK, V. D.

"The sources of leptospirosis infection in nature (according to
the Stavropol' region materials)." p. 154

Deyatoye Soreshchaniye po parazitologicheskim problemam i
prirodnootchaynym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference
on Parasitological Problems and Diseases with Natural Foci 22-29
October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences
USSR and Academy of Sciences USSR, No. 1 254pp.

Inst. of Vaccines and Sera and Regional Sanitary-Epidemiological Station/Stavropol'

L 07057-67 EMI(m) JR

ACC NR: AP6021633

SOURCE CODE: UR/0089/66/020/003/0275/0277

AUTHOR: Novikov, S. R.; Konopleva, R. F.; Kruglikov, A. N.; Nazarenko, A. N.

41
37
B

ORG: none

TITLE: Low temperature channel of the VVR-M reactor of the Physicotechnical Institute,
AN SSSR

SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 275-277

TOPIC TAGS: LIQUID NITROGEN, NUCLEAR REACTOR COOLANT, NUCLEAR REACTOR,
nuclear reactor component, irradiation apparatus, research reactor/
VVR-M reactor

ABSTRACT: The authors describe a through channel in which the samples are cooled with cold gaseous nitrogen. This makes it possible to employ ordinary commercial liquid nitrogen, and also to reload the samples and to vary their temperature in simple fashion. The reason why liquid nitrogen cannot be used for this purpose is briefly discussed. The cold nitrogen is fed from a liquid-nitrogen evaporator outside the reactor, flows through the cryostat channel, and is drawn out by a ventilating system. If the liquid nitrogen contains ~1% of argon, the activity of the radioactive Ar⁴¹ does not exceed 5 millicurie/hr at a reactor power of 10 MW. The construction of the installation (Fig. 1) and the method of manipulating the samples are described. The channel described was installed in the VVR-M reactor in March 1964, and apart from accidental loss of hermeticity, which was later eliminated, it withstood many tests with large temperature differentials. Besides the simplicity of construction and

Cord 1/2

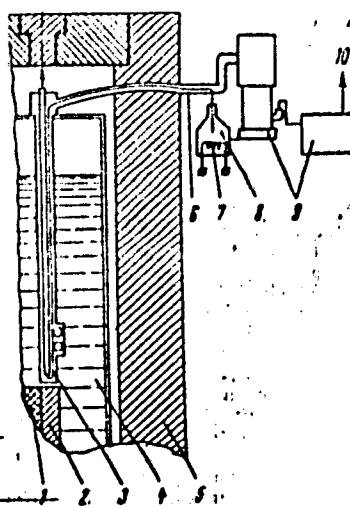
UDC: 621.039.572

L 07057-42

ACC NR: AP6021633

Fig. 1. Equipment for low-temperature irradiation.

1 - Active zone, 2 - beryllium reflector, 3 - cryo-
static channel, 4 - water in reactor tank, 5 - shield,
6 - nitrogen pipe, 7 - heater, 8 - evaporator vessel,
9 - vacuum pumps, 10 - special ventilation.



possibility of using commercial liquid nitrogen, another advantage is the wide range of variation of the temperature. A shortcoming is the large consumption of liquid nitrogen when temperatures of the order of 100K are obtained. The authors thank the operating crew of the reactor for help, and are especially indebted to designers A. L. Voinov and L. D. Baranova for participating in the development of units of the apparatus, and mechanics G. I. Pastalak and A. F. Klement'yev for installing the apparatus in the reactor. Orig. art. has: 3 figures.

SUB CODE: 18/ SUBM DATE: 04Sep65/ OTH REF: 005

Card 2/2 LC

KOZHAKHMETOV, D.B.; KRUGLIKOV, A.P.

Studies on the parameters of trackless conveying machines in the
mine of Novomoskovsk Gypsum Combine. Trudy Inst. gor. dela AN
Kazakh. SSR 17:84-92 '65. (MIRA 18:9)

KRUGLIKOV, A. V.

137-58-4-7016

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 102 (USSR)

AUTHOR: Kruglikov, A. V.

TITLE: On the Manufacture of Economical Types and Sections of Rolled Metal (O proizvodstve ekonomichnykh vidov i profiley prokata)

PERIODICAL: V sb.: Ratsionalizatsiya profiley prokata. Moscow, Profizdat, 1956, pp 373-376

ABSTRACT: It is pointed out that individual instances of successful work in developing sections (S) of irregular cross sections have not attained widespread dissemination in view of the fact that the Ministry of Ferrous Metallurgy of the USSR is not concerning itself with the problem of organizing this type of production. As early as 1947, a mill for the rolling and drawing of flange S of variable cross section for the USSR Ministry of the Aviation Industry was set up, at the "Serp i molot" ("Hammer and Sickle") plant, and one of the plants under that ministry is successfully operating a mill to roll sheets of variable cross section (designed by TsNIITMash). Ship building, railway rolling-stock construction, erection of machinery for the coal-mining industry, and other fields provide a large demand for S of this type. The technical

Card 1/2

137-58-4-7016

On the Manufacture of Economical Types and Sections of Rolled Metal

administrations of the Ministry of Ferrous Metallurgy and of GIPROMEZ have not determined the needs of the national economy for various S, and particularly for bent S for scraper conveyers in the coal industry, and have not issued the required catalogs and specifications indicating the S requiring development in the next few years. Technical specifications for delivery of structural carbon and alloy steel usually indicate excessively low guarantees for mechanical properties. There is an immediate need for organizing the production of cold-drawn metal for automatic cold upsetting machines, and the production of square, round, and oval S of intermediate dimensions not specified in the GOST (All-Union State Standards), and also the production of cold rolled S. This would free a number of machine building plants from unprofitable semi-handicraft production of these S.

V. F.

1. Rolling mills--Production
2. Metals--Rolling--Economic aspects

Card 2/2

ZAK, P.S.; ZHURAVLEV, V.L.; ROMANOV, V.A., otv.red.; SADOV, N.T.,
red.; GOTOVTSEV, A.A., red.; GRIMBERG, A.Ya., red.; ZUEV, V.T.,
red.; KOGAN, A.M., red.; KRUGLIKOV, A.V., red.; RABGUN, K.K.,
red.; NAZIMOV, N.M., red.; MEYMARK, A.M., red.; MOTYAKHOV, M.A.,
red.; SPEVAK, V.Ya., red.; TENENBAUM, M.M., red.; SHNEIDER, E.I.,
red.; ALADOVA, Ye.I., tekhn.red.; SHKLYAR, S.Ya., tekhn.red.

[Design and manufacture of globoid gears] Proektirovanie i
izgotovlenie globoidnykh peredach. Moskva, Ugletekhizdat, 1958.
87 p. (Tekhnologiya ugol'nogo mashinostroeniya, no.2).

(MIRA 13:2)

(Gearing)

KRUGLIKOV, A.V.

Making welded, highly resistant pitch chains for scraper conveyers. Tekh.ugol.mash. no.1:5-10 '58. (MIRA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-tekhnologicheskiy institut ugol'nogo mashinostroyeniya.
(Conveying machinery) (Chains--Welding)

PHASE I BOOK EXPLOITATION

SOV/4138

Kruglikov, Abram Vladimirovich, Candidate of Technical Sciences, and V.A. Romanov
Proizvodstvo vysokoprochnykh svarnykh tyagovykh tsepey; sovremennoye sostoyaniye
i perspektivy razvitiya (Manufacture of High-Strength Welded Hoisting Chains;
Present State and Future Development) Moscow, 1959. 58 p. 1,000 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Otdel nauchno-tekhnicheskoy informatsii
VINITI. Sektor mashinostroitel'noy promyshlennosti; Gosudarstvennyy nauchno-
tekhnicheskiy komitet Soveta ministrov SSSR.

Tech. Ed.: N.G. Goncharov.

PURPOSE: This booklet is intended for technical personnel dealing with the manu-
facture of hoisting chains.

COVERAGE: The author describes methods and machinery used in the manufacture of
studded and unstudded hoisting, crane, and conveyor chains in the Soviet Union and
other countries. He deals mainly with automatic manufacturing processes of weld-
ed pitch chains for the mining industry. No personalities are mentioned.

Card 1/3

Manufacture of High-Strength Welded Hoisting Chains (Cont.) SOV/4138

There are 19 references: 7 German, 6 Soviet, 5 English and 1 Czech.

TABLE OF CONTENTS:

I. Field of application of circular cross-section link chains, and the engineering specifications for their manufacture	3
II. Manufacture of chains, and chain-making equipment in Soviet plants	9
III. Automatic line for manufacturing chains of 19 to 40 mm [bar diameter]	15
IV. Welded hoisting chains in the mining industry	19
V. Manufacture of hoisting, high strength pitch chains in the Soviet Union	21
VI. Manufacture of electric-welded chains outside the Soviet Union	27
VII. Improvements in the manufacture processes and equipment for making welded hoisting chains	40
VIII. Selecting the manufacturing method for the production of high strength pitch chains for the coal mining industry	54

Card 2/3

ACC NR: AP7004811

SOURCE CODE: UR/0413/67/000/001/0169/0169

INVENTOR: Tselikov, A.M.; Shor, E.R.; Rokotyan, Ye.S.; Kruglikov, A.V.;
Gurevich, A.Ye.

ORG: none

TITLE: Two or four-high mill for rolling variable-section sheets and
strips. Class 7, No. 87892

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no.1,
1967, 169

TOPIC TAGS: metal rolling, ~~light alloy rolling, metal~~ rolling mill

ABSTRACT: This Author Certificate introduces a two or four-high mill for rolling
one or two-way wedge-shaped sheets and strips from steel and light
alloys by means of changing the working rolls' spacing. To increase
rolling mill efficiency, a powerful automatic pressure device is used
which ensures a constant relation between the rotation speed of the
screw-down drives and the working rolls. [AZ]

SUB CODE: 13/ SUBM DATE: 11Mar49/ ATD PRESS: 5116

Card 1/1

UDC: none

18

ca

Sodium hydroxide. V. P. Il'inskiĭ, A. E. Kruglikov
and A. S. Isotova. Russ. 46,547, April 30, 1958. Molten
 $\text{Na}_2\text{SO}_4 \cdot \text{H}_2\text{O}$ is treated with H_2S .

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

18

PROCESSING AND PROPERTIES INDEX

cd

Decreasing the content of sodium sulfate in vacuum salt. A. V. Vassberg and A. E. Kravtsov. *Sov. Technol. News.-Iskustva. Sel'skoi Lab.* 1959, No. 8, 12-20; *Khim. Referat. Zh.* 1960, No. 8, 88.— Na_2SO_4 appears in vacuum salt as the result of purifying the salt brine with lime-sulfate-soda, or with soda, and is caused by the mother liquor remaining after its separation, during the dehydration stage in the centrifuge. The usual Na_2SO_4 content in the final product is 0.3-4.0%. Na_2SO_4 can be removed only by enriching the salt by washing. On washing the salt with crude brine, the Na_2SO_4 decreases to 0.01-0.06%; if refined brine is used the content is 0.00-0.10%. During washing, the salt losses are 0.7-0.8%. Washing the salt decreases the Na_2SO_4 content by 70-90% and improves the color. W. H. H.

ASB-15A METALLURGICAL LITERATURE CLASSIFICATION

15000 15010 15020 15030 15040 15050 15060 15070 15080 15090 15100 15110 15120 15130 15140 15150 15160 15170 15180 15190 15200 15210 15220 15230 15240 15250 15260 15270 15280 15290 15300 15310 15320 15330 15340 15350 15360 15370 15380 15390 15400 15410 15420 15430 15440 15450 15460 15470 15480 15490 15500 15510 15520 15530 15540 15550 15560 15570 15580 15590 15600 15610 15620 15630 15640 15650 15660 15670 15680 15690 15700 15710 15720 15730 15740 15750 15760 15770 15780 15790 15800 15810 15820 15830 15840 15850 15860 15870 15880 15890 15900 15910 15920 15930 15940 15950 15960 15970 15980 15990 16000 16010 16020 16030 16040 16050 16060 16070 16080 16090 16100 16110 16120 16130 16140 16150 16160 16170 16180 16190 16200 16210 16220 16230 16240 16250 16260 16270 16280 16290 16300 16310 16320 16330 16340 16350 16360 16370 16380 16390 16400 16410 16420 16430 16440 16450 16460 16470 16480 16490 16500 16510 16520 16530 16540 16550 16560 16570 16580 16590 16600 16610 16620 16630 16640 16650 16660 16670 16680 16690 16700 16710 16720 16730 16740 16750 16760 16770 16780 16790 16800 16810 16820 16830 16840 16850 16860 16870 16880 16890 16900 16910 16920 16930 16940 16950 16960 16970 16980 16990 17000 17010 17020 17030 17040 17050 17060 17070 17080 17090 17100 17110 17120 17130 17140 17150 17160 17170 17180 17190 17200 17210 17220 17230 17240 17250 17260 17270 17280 17290 17300 17310 17320 17330 17340 17350 17360 17370 17380 17390 17400 17410 17420 17430 17440 17450 17460 17470 17480 17490 17500 17510 17520 17530 17540 17550 17560 17570 17580 17590 17600 17610 17620 17630 17640 17650 17660 17670 17680 17690 17700 17710 17720 17730 17740 17750 17760 17770 17780 17790 17800 17810 17820 17830 17840 17850 17860 17870 17880 17890 17900 17910 17920 17930 17940 17950 17960 17970 17980 17990 18000 18010 18020 18030 18040 18050 18060 18070 18080 18090 18100 18110 18120 18130 18140 18150 18160 18170 18180 18190 18200 18210 18220 18230 18240 18250 18260 18270 18280 18290 18300 18310 18320 18330 18340 18350 18360 18370 18380 18390 18400 18410 18420 18430 18440 18450 18460 18470 18480 18490 18500 18510 18520 18530 18540 18550 18560 18570 18580 18590 18600 18610 18620 18630 18640 18650 18660 18670 18680 18690 18700 18710 18720 18730 18740 18750 18760 18770 18780 18790 18800 18810 18820 18830 18840 18850 18860 18870 18880 18890 18900 18910 18920 18930 18940 18950 18960 18970 18980 18990 19000 19010 19020 19030 19040 19050 19060 19070 19080 19090 19100 19110 19120 19130 19140 19150 19160 19170 19180 19190 19200 19210 19220 19230 19240 19250 19260 19270 19280 19290 19300 19310 19320 19330 19340 19350 19360 19370 19380 19390 19400 19410 19420 19430 19440 19450 19460 19470 19480 19490 19500 19510 19520 19530 19540 19550 19560 19570 19580 19590 19600 19610 19620 19630 19640 19650 19660 19670 19680 19690 19700 19710 19720 19730 19740 19750 19760 19770 19780 19790 19800 19810 19820 19830 19840 19850 19860 19870 19880 19890 19900 19910 19920 19930 19940 19950 19960 19970 19980 19990 20000 20010 20020 20030 20040 20050 20060 20070 20080 20090 20100 20110 20120 20130 20140 20150 20160 20170 20180 20190 20200 20210 20220 20230 20240 20250 20260 20270 20280 20290 20300 20310 20320 20330 20340 20350 20360 20370 20380 20390 20400 20410 20420 20430 20440 20450 20460 20470 20480 20490 20500 20510 20520 20530 20540 20550 20560 20570 20580 20590 20600 20610 20620 20630 20640 20650 20660 20670 20680 20690 20700 20710 20720 20730 20740 20750 20760 20770 20780 20790 20800 20810 20820 20830 20840 20850 20860 20870 20880 20890 20900 20

18

Ch

iodination of salt in centrifuges in saltworks. A. E. Kruglikov. *Soyuz. Tsentral. Nauch.-Issledovatel. Soyuza Taz.* 1939, No. 8, 20-21; *Khim. Referat. Zhur.* 1940, No. 8, 80.—The amt. of the iodizing KI soln. (KI 0.24-0.26 g./l.) is 31-31 l. per 250-300 kg. of salt (contg. 4.0-4.5% of moisture). The iodized salt contains 1.0-1.06 mg. per 100 g. KI. The spent iodizing soln. can be reused. Best results are obtained by a 5-fold reuse of the KI soln. To decrease the Na_2SO_4 content, which increases with each reuse, the salt must be preliminarily washed with purified brine. A scheme for producing iodized salt and production-cost accounting are given and a colorimetric method for detg. small amts. of I is described. W. R. Henna.

ASS. SLS METALLURGICAL LITERATURE CLASSIFICATION

1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000

KREGLER V, A. Ye.

"Investigation of the Process of the Carbonization of Sodium Sulfide
Solutions in the Reprocessing of Sodium Sulfate to Soda and Sulphur Cand Tech Sci,
State Order of Labor Red Banner Inst of Applied Chemistry (GIPKh), Min Chemical
Industry USSR, Leningrad, 1955. (KL, No 12, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (15)

SEREZHENKO, I.T.; KRUGLIKOV, B.A., veterinarnyy vrach

Elimination of the paratyphoid of baby pigs. Veterinariia 37
no.8:42-44, Ag '60. (MIRA 15:4)

1. Glavnyy veterinarnyy vrach Novo-Usmanskogo rayona, Voronezhskoy oblasti (for Serezhenko). 2. Novo-Usmanskaya rayonnaya veterinarnaya lechebnitsa Voronezhskoy oblasti (for Kruglikov).
(Novaya Usman' District--Paratyphoid fever)
(Swine--Diseases and pests)

CHUISTOV, V.M., kand. ekon. nauk; CHERNENKO, M.S.; KRASNOKUTSKAYA,
O.I. [Krasnokuts'ka, O.I.]; DROSOVSKAYA, L.I. [Drosova'ska, L.I.];
MOKIYENKO, B.F.; DARACAN, M.V. [Darahan, M.V.]; OGANYAN, G.A.
[Ohanian, H.A.]; TERESHCHENKO, I.P.; KRUGLIKOV, B.I. [Kruhlikov,
B.I.]; KOROID, O.S., otv. red.; IVAN'KOV, M.D., red.;
KADASHEVICH, O.O. [Kadashevych, A.A.], tekhn. red.

[Socialist reproduction of the means of production] Sotsiali-
stychne vidtvorennia. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 298 p.
(MIRA 15:12)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky. 2. Chlen-
korrespondent Akademii nauk Ukr. SSR (for Koroid). 3. Institut
ekonomiki Akademii nauk Ukr. SSR (for all except Koroid, Ivan'kov,
Kadashevich).

(Economics)

TREFILOV, A.A.; IVANOV, D.P., veterinarnyy vrach; KRUGLIKOV, B.P.; VOVK, A.M.,
mladshiy nauchnyy sotrudnik; VEGLINA, M.P., veterin.vrach; BULATOV, Ya.P.

Veterinary preparations and equipment. Veterinariia 41 no.3:94-104
Mr '64. (MIRA 18:1)

1. Nachal'nik otdela zooveterinarnykh tovarov Soyuznogo tresta po
snabzheniyu sel'skogo khozyaystva veterinarno-zootekhnicheskim
oborudovaniyem, instrumentariyem i medikamentami (for Trefilov).
2. Ministerstvo sel'skogo khozyaystva Belorusskoy SSR (for Ivanov).
2. Zaveduyushchiy khimicheskim otdelom Ivanovskoy oblastnoy veterinar-
noy laboratoriyey (for Bulatov). 4. Zaveduyushchiy radiologicheskim
otdelom Ivanovskoy oblastnoy veterinarnoy laboratoriyey (for Kruglikov).
5. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy
veterinariii (for Vovk).

КНИЖКА, 1965, 10 стр., 10 коп.

Indicator method for studying the function of the thyroid gland.
(MIRA 18:3)
Veterinariia 41 no.2:69-71 F '65.

1. Ivanovskaya oblastnaya veterinarnaya laboratoriya.

KRUGLIKOV, E. S., Eng.

Lightning Arresters

Device for inspecting tube arrester. Rab. energ. 2, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December ¹⁹⁵² ~~1953~~. Unclassified.

ABRAMOV, E.A., kand.istor.nauk; KRUGLIKOV, F.V., kand.istor.nauk;
ROZENSHTEYN, A.L., kand.istor.nauk; VASIL'YEV, A.V., nauchnyy
red.; VOROB'YEV, G.S., red.izd-vs; GURDZHIYEVA, A.M., tekhn.
red.

[Brigades of communist labor] Brigady kommunisticheskogo
truda. Leningrad, Ob-vo po rasprostraneniю polit. i nauchnykh
snanii RSFSR, Leningr.otd-nis, 1959. 46 p. (MIRA 13:2)
(Socialist competition) (Efficiency, Industrial)

KHRUSHCHOV, N.G.; BRODSKIY, V.Ya.; KRUGLIKOV, G.G.

Cytospectrophotometric and autoradiographic determination
of DNA in giant cell nuclei of foreign bodies. TSitologiya
5 no.6:676-679 N-D '63. (MIRA 17:10)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova AN
SSSR i Institut morfologii cheloveka AMN SSSR, Moskva.

TITKOV, N.P.; BOGDANOVA, Z.S.; KRUGLIKOV, M.M.; OZOLIN, L.T.; PAYLOVA, K.S.;
SHAPIRO, R.B.

Research carried on by the Institute of Mechanical Mineral
Processing on iron ore dressing. Obog. rud 2 no.5:42-50
' 57. (MIRA 11:11)
(Metallurgical research) (Iron ores) (Ore dressing)

KHUGLIKOV, M.M., inzh.

Preparation of Leningrad Province quartz sands. Trudy Mekhanobr
no.102:293-302 '57. (MIRA 11:9)
(Leningrad Province--Sand) (Ore dressing)
(Magnetic separation of ores)

KRUGLIKOV, M.M.

Prospects for the dressing of Kerch deposit iron ores. Obog.
rud 6 no. 5:3-8 '61. (MIRA 15:1)
(Kerch Peninsula---Iron ores)
(Ore dressing)

KRUGLIKOV, N.

Surface ensilage is practical. Nauka i pered.op. v sel'khoz. 8
no.11:34 N '58. (MIRA 11:12)

1. Predsedatel' kolkhosa "Dal'nevostochnyy kolхозnik," Smidovicheskogo
rayona, Khabarovskogo kraya.
(Ensilage)

KRUGLIKOV, N.A.

Improving the detonator of the TSh torpedo. Razved. i prom.
geofiz. no.40:96 '61. (MIRA 15:7)
(Komi A.S.S.R.—Oil fields—Equipment and supplies)

ANIKIYEV, Kirill Aleksandrovich; GINTSBURG, V.I., vedushchiy red.;
KRUGLIKOV, N.M., red.

[Unusually high reservoir pressures in oil and gas fields.]
Anomal'no-vysokie plastovye davleniia v neftiannykh i gazovykh
mestorozhdeniakh. Leningrad, Nedra, 1964. 166p.
(Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii
geologorazvedochnyi institut. Trudy, no.233).

(MIRA 17:10)

NALIVKIN, V.D.; DEDEYEV, V.A.; IVANTSOVA, V.V.; KATS, Z.Ya.; KRUGLIKOV, N.M.;
LAZAREV, V.S.; SVETCHNIKOV, G.P.; CHERNIKOV, K.A.; SHABLINSKAYA, N.V.;
Prinimal uchastiye: ZHABREV, I.P.; ROZANOV, L.N.; SOFRONITSKIY, P.A.;
KHAIN, V.Ya.; SIMONENKO, T.N.; SOKOLOV, V.N.; YAKOVLEV, O.N., gidrogeolog

[Comparative analysis of the oil and gas potential and the tectonics
of the West Siberian and Turan-Scythian platform.] Sravnitel'nyi
~~analiz~~ naftogazovosti i tektoniki Zapadno-Sibirskoi i Turano-
Skiiskoi plit. Leningrad; Nedra, 1965. 322 p. (Leningrad.
Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi
institut. Trudy, no.236) (MIRA 18:6)

KRUGLIKOV, Nikolay, Mikhailovich; YAKUTSENI, V.P., red.

[Hydrology of the northwestern margin of the West Siberian artesian basin.] Gidrogeologiya severo-zapadnogo borta Zapadno-Sibirskogo artezianskogo basseina. Leningrad, Nedra, 1964. 165 p. (Leningrad. Vsesoluznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.238). (MIRA 18:6)

KRUGLIKOV, N.M.

Geothermal role of the movement of underground waters.

Trudy VNIIGRI no.220. Geol. sbor. no.8:260-272 '63.

(MIRA 17:3)

KRUGLIKOV, N.M.

Hydrogeological conditions in the Berezovo area. Trudy
VNIGRI no.140:296-311 '59. (MIRA 13:6)
(Berezovo region(Tyumen' Province)--Water, Underground)

KRUGLIKOV, N.M.

Formation of gas fields in the Berezovo region. Trudy VNIGRI no.225:
256-280 '63. (MIRA 17:3)

TORGOVANOVA, V.B.; DUBROVA, N.V.; KRUGLIKOV, N.M.; LOZOVSKIY, M.R.; POMARNATSKIY, M.A.; KROTOVA, V.A.; nauchnyy red.; DOLMATOV, P.S., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Paleozoic and Mesozoic waters and gases in Western Siberia]
Vody i gazy paleozoiskikh i mesozoiskikh otlozhenii Zapadnoi Sibiri. Leningrad, Gos.nauchn.-tekhn.izd-vo nef. i gorno-topl. lit-ry leningr. otd-nie, 1960. 459p. (Leningrad, Vsesoluznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 159) (MIRA 14:3)

(Siberia, Western--Water, Underground)

(Siberia, Western--Gas, Natural)

S/009/60/000/008/003/005
B027/B076

AUTHORS: Kruglikov, N. M., Sverchkov, G. P.

TITLE: Reservoir rocks of the West Siberian Lowland

PERIODICAL: Geologiya nefti i gaza, ⁴no. 8, 1960, 18-23

TEXT: For the estimation of oil and gas prospects in the West Siberian Lowland, reservoir rocks play a decisive part. A map of the reservoir rocks in the Jurassic and Lower Cretaceous deposits in the southeast part of the Lowland was plotted by the research workers A. K. Shilin, T. I. Gurova, E. S. Rabikhanukayeva, and others. The opinion of these research workers that the accumulation of these deposits is bound to improve toward the center of the Lowland does not agree with the results of the geophysical and hydrogeological investigations based on drilling. The authors of this article therefore took the productivity coefficient (K) of borings, taking into consideration all other values (porosity, permeability, etc.) as a basis for the characteristics of the rocks. For the plotting of maps the mean values K typical of a certain area were

Card 1/2

Reservoir rocks of the West Siberian Lowland

S/009/60/000/008/003/005
B027/B076

taken; thus interesting horizons from which frequently no core samples have been taken are covered by the map as well. Promising reservoir rocks exist in the region of Tyumen' and Omsk in the continental facies of Middle Jurassic and seem to extend in a narrow strip till Berezovo. Very promising reservoir rocks are on the periphery of the Lowland over a wide area and show the highest productivity values (Turinsk, Omsk, Petropavlovsk). A very favorable region lies also between the rivers Ob' and Irtysh, in the basin of the river M.Sos'va, in the middle course of the river Konda and in the middle and lower courses of the river Vakh. There are 2 figures and 4 Soviet-bloc references.

ASSOCIATION: VNIGRI (All-Union Petroleum Scientific Research Institute of Geological Exploration)

Card 2/2

KRUGLIKOV, N.V., polkovnik meditsinskoy sluzhby; IVANOV, G.T., kand.med.nauk,
podpolkovnik meditsinskoy sluzhby; IGNAT'YEV, Ye.I., dotsent, podpol-
kovnik meditsinskoy sluzhby

Organization of first aid for wounded, their collection and evacuation
in modern mobile warfare. Voen-med.zhur. no.8:11-16 Ag '59.

(MIRA 12:12)

(WOUNDED AND SICK)

KRUGLIKOV, R.I.

Some functional characteristics of higher parts of the central nervous system in adult rabbits subjected to ionizing radiation during the antenatal period of development. Dokl. AN SSSR 135 no.1:225-228 y'60. (MIRA 13:11)

1. Institut vysshey nervnoy deyatel'nosti AN SSSR, Predstavleno akademikom A.N.Bakulovym.

(X RAYS--PHYSIOLOGICAL EFFECT) (EMBRYOLOGY--MATERIALS)
(CONDITIONED RESPONSE)

KRUGLIKOV, R. 1.

Cand Med Sci - (diss) "Several features of the functions of the upper sections of the central nervous system of domestic rabbits, subjected to radiation of ionizing rays in the period of antenatal growth." Moscow, 1961. 18 pp; (Inst of Normal and Pathological Physiology of the Academy of Medical Sciences USSR); 250 copies; free; (KL, 7-61 sup, 260)

S/636/61/000/000/006/013
D298/D303

AUTHOR: Kruglikov, R.I.

TITLE: Certain characteristics of the non-conditional and conditional-reflex activity in the ontogenesis of rabbits, irradiated in the embryonic period

SOURCE: Piontkovskiy, I.A. Vliyaniye ioniziruyushchego izlucheniya na funktsiyu vysshikh otdelov tsentral'noy nervnoy sistemy potomstva. Moscow, Medgiz, 1961, 102 - 113

TEXT: The non-conditional and conditional-reflex activity in ontogenesis was investigated in rabbits, subjected to antenatal irradiation on the 23rd day of embryonic development. A 400 r X-ray dose was given, using the PYM -3 (RUM-3) X-ray tube - (190 kv, 15 ma, 1 mm aluminum and 0.5 mm copper filters, 16.5 r/min dose energy). Observations of the weight, of maturity, the orientation reflex to sound and mobility were made on 3 or 6-day-old baby rabbits. The conditional reflexes were studied according to the A.A. Volokhov and Y.A. Obrastsova method (1953). An alternating current of three-

Card 1/5

Certain characteristics of the ...

S/636/61/000/000/006/013
D298/D303

shold force was used as the non-conditional exciter. The mobility was tested on the 20th day of life by counting the number of movements in 10 minutes. A total of 20 experimental and 14 control animals were investigated. Results showed that the average weight of the experimental rabbits was 68.2 % of the normals at the 5th day and 74.3 % at the 70th day of life. The vitality of the former was sharply reduced and specialized non-conditional reactions - washing, licking, scratching - were maintained for longer periods of time. A clearer presentation of the latter reactions in the experimental rabbits and their presence at a later age than in the normals indicated a weakening of the inhibiting effect of the cortex on the subcortex. The absence of conditional reflexes in the experimental animals, the stiffening phenomenon and a lowering of non-conditional reflexes are evaluated as a destruction of the higher nerve activity with respect to inhibition. The author concludes from obtained data that irradiation of rabbits on the 23rd day of embryonic development, using a 400 r dose, causes an impairment of the general development and disruption of the functioning of the higher segments of the central nervous system in the post-

Card 2/5

S/636/61/000/000/006/013
D298/D303

Certain characteristics of the ...

natal period. Experimental results on the strengthening of the positive conditional reflexes, formation and strengthening of the differentiation, attenuation periods of specialized non-conditional reactions, all showed a delay in the cortex development of the experimental animals compared to the normals. An earlier occurrence of the orientation reflex to sound and conditional shaking off reflex in the experimental animals are considered the result of a general stimulation increase. A strengthening of the conditional shaking off reflex to sound occurred later in the experimental animals, than in the normals. A slower strengthening of the positive conditional reflex in the experimental animals indicated a break in their connecting function of the cortex which, in turn, is connected with a delay in the latter's development under the effect of antenatal irradiation. Obtained data further indicated, in addition to an elevated stimulation of the experimental animals, also a tendency of their stimulating process to extensive irradiation. Generalized overall mobility reactions are prevalent in the experimental animals. The inhibiting process in the latter showed a tendency toward irradiation of the cortex, reflected in a large number

Card 3/5